

Abstract of the Disclosure

A method of treating, in wastewater purification, sludge containing organic matter, divalent iron and phosphorus, in which

the sludge that is treated is made to contain dissolved iron and phosphorus at a molar ratio Fe:P of above 1:1,

the sludge is treated at 0-100°C with an acid at a pH of 1-5 for dissolution of divalent iron and phosphorus from the sludge,

the sludge is supplied with an oxidiser selected from hydrogen peroxide and percompounds, wherein divalent iron is oxidised by Fenton's reaction to trivalent iron, and

(i) trivalent iron is precipitated as trivalent iron phosphate

(ii) free radicals with a deodorisation and sanitation effect are formed by Fenton's reaction,

the sludge is then dewatered at a pH of at most 7, and

the aqueous solution obtained in dewatering is recirculated to the wastewater purification.